



hf Happenings 871

Volume 19, Issue 28, the week of 28 October 2019

HF Happenings from www.sarl.org.za/hf_happenings.asp

Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>

Zone 38 Award and others <https://zone38award.wordpress.com/>

Worldwide List of HF Beacons <https://iaruhfbacons.wordpress.com/>

5 MHz (60 metre) allocations <http://www.sarl.org.za/public/contests/contestrules.asp>



HF Happenings Mailing List

The Yahoo HF Happenings mailing list has been closed. From issue 870, HF Happenings will be mailed via the Groups.io mailing list.

A new world record on 630 meters?

Eric Tichansky, NO3M and Roger Crofts, VK4YB, are claiming a new world distance record on 630 meters (472 to 479 kHz). They worked each other on 14 October at 10:32 UTC using the JT9 mode. Eric said the contact represented the culmination of 2 years of effort around every equinox since September 2017. "Hopes were wearing thin as we were moving away from the recent equinox on 23 September," he said. "Even when the path may have been open over the past 3 weeks, either end would be plagued with QRN." He said that while the opening that facilitated the record-breaking contact was not comparably as strong as past openings, "something special was obviously at play." The contact covered 14 979 kilometres, topping the previous record of 13 441 kilometres set by Roger Crofts, VK4YB and Kenneth Roberson, K5DNL, by nearly 1538 kilometres. Eric said his transmit antenna is a 20,5 metre top-loaded vertical and the receive antenna is a full-sized eight-circle array comprised of short verticals. The transmit/receive at VK4YB is a linear-loaded vertical.

33 years of EUDXF

The "European DX Foundation" was founded 33 years ago and on this occasion several special stations will be active in the month of November. Currently, DL33EUDXF, LA33EUDXF, TM33EUDXF, PA33EUDXF,

October

28 – the start of WRC-19 in Sharm el Sheikh – **SU8WRC**

31 – World Cities Day

November

2 - RaDAR Challenge; Pretoria ARC Flea Market

3 - National Sandwich Day

7 - National Men Make Dinner Day

9 and 10 - SARL VHF/UHF Analogue contest

10 – Remembrance Sunday

11 - Armistice Day; Closing date for RaDAR logs

14 - World Diabetes Day

16 - International Tolerance Day

18 - Closing date for PEARS HF logs

19 - Highway ARC Monthly Meeting

20 - SARL Wednesday 80 m Club Sprint

21 to 23 – Ficksburg Cherry Festival

22 - Closing date for December Radio ZS; Darling Scarecrow Festival (until 1 Dec)

23 - SARL Newbie Sprint

23 and 24 - CQ WW DX CW contest

30 - West Rand Flea Market



PB33EUDXF, PC33EUDXF, PD33EUDXF, PE33EUDXF, PF33EUDXF, PG33EUDXF, PH33EUDXF, PI33EUDXF and ZS33EUDXF are active until 30 November. The Dutch stations are QSL via QSL via ClubLog OQRS. A special award "33 EUDXF" will be issued <http://www.eudxf.eu/>. The award will be available in 4 different classes - Bronze: 10 QSOs with at least 3 different special "33 EUDXF" stations; Silver: 20 QSOs with at least 4 different special "33 EUDXF" stations; Gold: 30 QSOs with at least 5 different special "33 EUDXF" stations and Platinum: 30 QSOs with all activated "33 EUDXF" stations.

Mount Athos

Monk Iakovos, SV2RSG, based at the Koutloumousiou Monastery on Mount Athos, was active as SV2RSG/A on 20 and 40 metres CW on 25 to 27 October. He said this was a "new start" in his amateur radio activity. His operations are not acceptable for DXCC credit for the time being, but work him first and worry later, as they say.

BIC Orange Pens

Every time I see ads for BIC writing instruments, I think their name communicates a subliminal (okay, overt) message to stay at the rig longer. If you have this brand of pens hanging around the station, will your scores improve?

The "little things" that can really affect contest operation

The latest entry for DX Engineering's blog, OnAllBands.com <https://onallbands.com/>, focuses on some of the "little things" that can really affect contest operation, such as ergonomics and automation. Ward, NOAX, discusses the causes of the symptoms that can reduce the "butt in chair" time, and how to improve your contesting life.

Ethernet cables

Ethernet cables sometimes go bad just because the small plastic retaining tab on the connector breaks off and the RJ45 plug does not stay seated in the RJ45 jack. The RJCLIP provides a replacement retaining clip, so you do not have to throw that cable away. <https://www.rjclip.com/>

Word to the Wise

Skin Effect. Most of the flow of RF currents occurs near the surface of an electrical conductor. The depth of the current flow is inversely proportional to its frequency. The skin effect is exploited in certain antenna designs such as the End Fed Half Wave where the currents flowing on the inside of a coaxial cable are part of the transmission line, while the currents on the outside of the cable are part of the antenna.

KiCAD

Laurent, F6FVY, tweeted about his YouTube video showing how to use his KiCAD plugins for doing RF PCB design <https://github.com/easyw/RF-tools-KiCAD>. Some of the features include automatic 'fencing' of signal paths using vias to ground plane layers, trace rounding, and more control over PCB solder masks. (get image from <https://github.com/easyw/RF-tools-KiCAD/blob/master/resources/via-fencing-preview.png>)

If you are not familiar with *KiCAD*, you can learn more from Dan's, KW4TI, presentation "Open Source for Amateur Radio Projects" made to the Raleigh Amateur Radio Society of 10 September 2019 [https://www.rars.org/documents/Open%20Source%20for%20Amateur%20Radio%20Projects %202019 09.pdf](https://www.rars.org/documents/Open%20Source%20for%20Amateur%20Radio%20Projects%202019%2009.pdf). He walks through the entire process of taking a design from schematic capture all the way to sending a Gerber file to a board fabrication house for manufacture. It is easier than ever to get quality PC boards fabricated inexpensively, and projects built this way can be less prone to wiring errors and more rugged than point to point wiring construction.

African DX

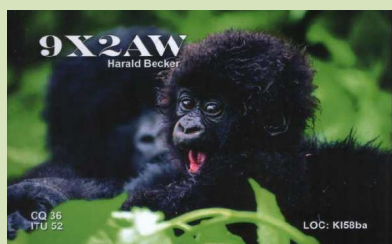
Contacts with stations on the African continent count towards the SARL's All Africa Award (www.sarl.org.za/public/awards/awards.asp)

Kenya, 5Z. Andy, G3AB is active as 5Z4/G3AB from Nairobi with activity on 20 to 10 meters. QSL via LoTW.

Somalia, 6O. Ali, EP3CQ is active as 6O1OO from Mogadishu until mid-November. Activity is in his spare time on 80 to 6 meters using SSB and FT8. QSL direct.



Morocco, CN. The special event station CN44MS commemorates the 44th anniversary of the Green March. The call sign will be active from Tan-Tan between 1 and 12 November. QSL via RW6HS.



Rwanda, 9X. Harald, DF2WO will be back on the air as 9X2AW from Kigali and will be active between 4 and 16 November. Activity will be on HF (CW, SSB, RTTY, FT8) and he plans to prepare a 160 m antenna and a hexbeam based on bamboo sticks for 20 to 10 m. QSL via M0OXO, LoTW.

Burkina Faso, XT. Alain, F8FUA will be active again as XT2BR from Ouagadougou, Burkina Faso between 8 and 17 November. He plans to operate CW, SSB and digital modes. QSL via F8FUA (direct or bureau) and LoTW; log search on Club Log.

The Gambia, C5. Alan, G3XAAQ (C56XA) and Don, G3XTT (C56DF) will be active from The Gambia between 12 and 26 November. Main activity will be during the CQ WW DX CW Contest, with casual operating outside the contest. QSL C56XA via LoTW or G3SWH's OQRS, QSL C56DF via LoTW, Club Log's OQRS, or via G3XTT.

Niger, 5U. Pierre, HB9AMO (<http://www.hb9amo.net/>) will be active again as 5U9AMO from Niger between 15 and 25 November. He will operate CW on 160 to 10 metres, including participation in the CQ WW DX CW Contest. QSL via M0URX's OQRS and LoTW.

QSL V55A. M0OXO is the QSL manager for contacts made with V55A during the CQ WW DX SSB Contest. New cards are being printed, and can be requested via M0OXO's OQRS (<https://www.m0oxo.com/oqrs/logsearch.php>), or direct only to Charles Wilmott, 60 Church Hill, Royston, Barnsley, S71 4NG, United Kingdom.

African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Ascension Island, ZD8. Steve, WB4GHY is currently staying on Ascension Island (AF-003) until 11 November and operates as ZD8SC during his spare time. He is active on 80 to 10 m on SSB, FT8 and FT4. QSL via WB4GHY direct and LoTW.



Cape Verde, D4. Eric, OE4AAC will be active as D4CC from Sal Island (AF-086), Cape Verde between 18 and 30 November. He will operate CW and some FT8 on 40 to 10 metres. QSL via Club Log's OQRS, or via OE4AAC (direct or bureau).

Canary Islands, EA8. David OK1DTP, Vladimir OK1CW and Jarda OK2GG will be active as EA8/OK5D, EA8/OL1A and EA8/OK2GG respectively from Fuerteventura, Canary Islands (AF-004) between 21 and 28 November. They will participate in the CQ WW DX CW Contest as single band entrants (80, 15 and 40 metres respectively). QSL EA8/OK5D via OK1DTP, QSL EA8/OL1A via OK1CW, QSL EA8/OK2GG via OK2GG.

Senegal, 6V. 6W1KI, 6W1PZ, 6W1QL, 6W7JX and more operators are planning an activation of Gore Island (AF-045) for 13 to 15 December using the call sign 6V1A on HF (SSB, CW) with two rigs.

CLUB LOG

In addition to the supporting grant awarded by the Northern California DX Foundation, Michael Wells, G7VJR and Club Log have received donations from The Yasme Foundation (USD 4 000), the Chiltern DX Club (USD 2 600) and the International DX Association (INDEXA, USD 500). The grants are for significant hardware upgrades to Club Log, needed to take the system into the future with improved resiliency and enhanced performance, as well as to facilitate further innovation. Since its inception in 2008 Club Log has grown to be an integral aspect of competitive DXing for both DXers and DXpeditioners alike. Today Club Log hosts 590 million QSOs with nearly 70 000 registered callsigns - and counting.

Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 28 October to 4 November 2019

QCX Challenge

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 28 October and 03:00 - 04:00 UTC 29 October
Geographic Focus: Worldwide
Participation: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op
Max power: HP: >5 watts; QRP: 5 watts
Exchange: RST, name, state, province or country and Rig
Work stations: Once per band
QSO Points: 3 points per QSO with QCX station; 1 point per QSO with non-QCX station
Multipliers: (none)
Score Calculation: Total score = total QSO points
Submit logs by: 04:00 UTC 31 October 2019
Post log summary at: www.3830scores.com
Mail logs to: (none)
Find rules at: www.grp-labs.com/party.html

Phone Fray

02:30 - 03:00 UTC 30 October

Geographic Focus: North America

Participation: Worldwide
Mode: SSB
Bands: 160, 80, 40, 20, 15 m
Classes: Single Op
Max power: 100 watts
Exchange: NA: Name and state, province country; non-NA: Name
Work stations: Once per band
QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station
Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band
Score Calculation: Total score = total QSO points x total mults
Submit logs by: 03:00 UTC 1 November 2019
E-mail logs to: (none)
Post log summary at: www.3830scores.com
Mail logs to: (none)
Find rules at: www.perluma.com/Phone_Fray_Contest_Rules.pdf

CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 30 October and 03:00 - 04:00 UTC 31 October
Geographic Focus: Worldwide
Participation: Worldwide
Awards: Worldwide
Mode: CW
Bands: 160, 80, 40, 20, 15, 10 m
Classes: Single Op - QRP, low or high
Max power: HP: >100 watts; LP: 100 watts;
QRP: 5 watts
Exchange: Member: Name and member no;
non-Member: Name and state, province
country
Work stations: Once per band
QSO Points: 1 point per QSO
Multipliers: Each call once
Score Calculation: Total score = total QSO
points x total mults
Submit logs by: 04:00 UTC 2 November 2019
Post log summary at: www.3830scores.com
Mail logs to: (none)
Find rules at: <https://cwops.org/cwops-tests/>

UKEICC 80 m Contest

20:00 - 21:00 UTC 30 October
Geographic Focus: Europe
Participation: Worldwide
Mode: CW
Bands: 80 m Only
Classes: Single Op Connected - QRP, low or
high; Single Op Unconnected - QRP, low or
high
Max power: HP: 1 500 watts; LP: 100 watts;
QRP: 5 watts
Exchange: 4-Character grid square
QSO Points: 1 point per 500 km (10 pts max);
multiply QSO points by 2 if low power station;
multiply QSO points by 4 if QRP station
Multipliers: (none)
Score Calculation: Total score = total QSO
points
Submit logs by: 22:00 UTC 30 October 2019
E-mail logs to: (none)
Upload log at: [http://logs.ukaicc.com/cgi-
bin/hfenter.pl](http://logs.ukaicc.com/cgi-bin/hfenter.pl)
Mail logs to: (none)
Find rules at: [www.ukaicc.com/80 m-rules.php](http://www.ukaicc.com/80-m-rules.php)

RSGB 80 m Autumn Series, SSB

19:00 - 20:30 UTC 31 October

Geographic Focus: United Kingdom
Participation: Worldwide
Mode: SSB
Bands: 80 m Only
Classes: 100 W; 10 W
Exchange: RS and serial no
QSO Points: 1 point per QSO
Multipliers: (none)
Score Calculation: Total score = total QSO
points
Submit logs by: 23:59 UTC 3 November 2019
Upload log at: [www.rsgbcc.org/cgi-
bin/hfenter.pl](http://www.rsgbcc.org/cgi-bin/hfenter.pl)
Mail logs to: (none)
Find rules at:
www.rsgbcc.org/hf/rules/2019/rautumn.shtml

NCCC RTTY Sprint

01:45 - 02:15 UTC 1 November
Geographic Focus: North America
Participation: Worldwide
Mode: RTTY
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO
points x total mults
Submit logs by: 3 November 2019
E-mail logs to: (none)
Post log summary at: www.3830scores.com/
Mail logs to: (none)
Find rules at: www.ncccsprint.com/rttyns.html

NCCC Sprint

02:30 - 03:00 UTC 1 November
Geographic Focus: North America
Participation: Worldwide
Mode: CW
Bands: (see rules)
Classes: (none)
Exchange: Serial no, name and QTH
Score Calculation: Total score = total QSO
points x total mults
Submit logs by: 3 November 2019
E-mail logs to: (none)
Post log summary at: www.3830scores.com/
Mail logs to: (none)
Find rules at: www.ncccsprint.com/rules.html

Silent Key Memorial Contest

06:00 - 08:59 UTC 1 November
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW
 Bands: 80, 40 m
 Classes: Single Op - low or high; Multi-Op
 Max power: HP: 1 500 W; LP: 150 W
 Exchange: RST, ITU Zone or RST and SK call sign you wish to recognize
 QSO Points: DL Station: 1 point per DL QSO, 3 points per EU QSO, 5 points per DX QSO; 1 point per QSO with own country, 3 points per QSO with different country, same continent; 5 points per QSO with different continent; Add 1 point per QSO with SK call in exchange
 Multipliers: Each ITU zone once per band; Each unique SK call once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 1 December 2019
 E-mail logs to: (none)
 Upload log at: www.skmc.hu/en/log-upload.html
 Mail logs to: (none)
 Find rules at: www.skmc.hu/en/rules.html

Zombie Shuffle
 16:00 – 24:00 local 1 November
 Geographic Focus: North America
 Participation: North America
 Mode: CW
 Bands: 80, 40, 20 m
 Classes: QRP
 Max power: 5 watts
 Exchange: RS(T), state, province country, Zombie number or area code and name
 Work stations: Once per band very two hours
 QSO Points: (see rules)
 Multipliers: (see rules)
 Score Calculation: (see rules)
 Submit logs by: 15 November 2019
 E-mail logs to: na5n@zianet.com
 Mail logs to: (none)
 Find rules at: www.zianet.com/qrp/ZOMBIE/2019/pg.htm

IPARC CW Contest
 06:00 - 10:00 UTC 2 November and 14:00 - 18:00 UTC 2 November
 Geographic Focus: Worldwide
 Participation: Worldwide

Mode: CW
 Bands: 80, 40, 20, 15, 10 m
 Classes: Single Op; Multi-Op; SWL
 Exchange: USA IPA Members: RST, serial no, "IPA" and state; non-USA IPA Members: RST, serial no and "IPA"; non-IPA Members: RST and serial no
 Work stations: Once per band
 QSO Points: 1 point per QSO; 5 points per QSO with IPA Member
 Multipliers: Each country once per band (QSO must be with IPA member to count as mult); Each US state once per band (QSO must be with IPA member to count as mult)
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 31 December 2019
 E-mail logs to: ipa-contest@online.de
 Mail logs to: Christiane Ruething, DL4CR, Gauszstr. 55, 63071 Offenbach, Germany
 Find rules at: www.iparc.de

Ukrainian DX Contest
 12:00 UTC 2 November to 12:00 UTC 3 November
 Geographic Focus: Worldwide
 Participation: Worldwide
 Mode: CW, SSB
 Bands: 160, 80, 40, 20, 15, 10 m
 Classes: Single Op All Band Mixed - CW and SSB - QRP, low or high; Single Op All Band - CW or SSB - low or high; Single Op Single Band Mixed - CW and SSB; Multi-Single Mixed - CW and SSB
 Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts
 Exchange: Ukraine: RS(T) and 2-letter oblast; non-Ukraine: RS(T) and serial no
 Work stations: Once per band per mode - CW or SSB
 QSO Points: 1 point per QSO with same country; 2 points per QSO with different country, same continent; 3 points per QSO with different continent; non-UR Stations: 10 points per QSO with Ukraine
 Multipliers: UR Stations: each DXCC/WAE country once per band; non-UR Stations: each DXCC/WAE country once per band; non-UR Stations: each Ukraine oblast once per band
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 3 December 2019

E-mail logs to: urdx@ukr.net

Web-to-Cabrillo form:

www.b4h.net/cabforms/ukrainiandx_cab.php

Mail logs to: Ukrainian Contest Club HQ, PO
Box 4850, Zaporozhye 69118, Ukraine

Find rules at:

<http://urdx.org/rules.php?english>

ARRL CW Sweepstakes Contest

21:00 UTC 2 November to 03:00 UTC 4
November

Geographic Focus: United States/Canada

Participation: United States/Canada

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high; Single Op

Unlimited - low or high; Multi-Single - low or

high; School Club

(College/Technical/Secondary)

Max operating hours: 24 with at least 30
minutes off times

Max power: HP: >150 watts; LP: 150 watts;

QRP: 5 watts

Exchange: Serial no, precedence

(Q/A/B/U/M/S), your call sign, check and ARRL
or RAC Section

Work stations: Once only

QSO Points: 2 points per QSO

Multipliers: Each ARRL/RAC section and VE NT
once

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 03:00 UTC 11 November 2019

E-mail logs to: (none)

Upload log at: [http://contest-log-
submission.arrl.org](http://contest-log-submission.arrl.org)

Web-to-Cabrillo form:

www.b4h.net/cabforms/arrlsscw_cab3.php

Mail logs to: November SS CW, ARRL, 225 Main
St., Newington, CT 06111, USA

Find rules at: www.arrl.org/sweepstakes

SA Sprint Contest

21:00 - 22:59 UTC 2 November

Geographic Focus: Worldwide

Participation: Worldwide

Mode: SSB

Bands: 40, 20 m

Classes: Single Op - low or high; Novice; YL;

Multi-Op - low or high

Max power: HP: >100 W; LP: 100 W

Exchange: RS(T) and serial no

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each SA prefix once; Each DXCC
country once

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 8 November 2019

E-mail logs to: (none)

Upload log at: [http://sa-sprint.com/submit-
log/](http://sa-sprint.com/submit-log/)

Mail logs to: (none)

Find rules at: <http://sa-sprint.com/rules/>

IPARC SSB Contest

06:00 UTC-10:00 UTC 3 November and 14:00 -
18:00 UTC 3 November

Geographic Focus: Worldwide

Participation: Worldwide

Mode: SSB

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op; Multi-Single; SWL

Exchange: USA IPA Members: RS, serial no,
"IPA" and state; non-USA IPA Members: RS,
serial no and "IPA"; non-IPA Members: RS and
serial no

Work stations: Once per band

QSO Points: 1 point per QSO; 5 points per QSO
with IPA Member

Multipliers: Each country once per band (QSO
must be with IPA member to count as mult);

Each US state once per band (QSO must be
with IPA member to count as mult)

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 31 December 2019

E-mail logs to: ipa-contest@online.de

Mail logs to: Christiane Ruething, DL4CR,
Gauszstr. 55, 63071 Offenbach, Germany

Find rules at: www.iparc.de
www.iparc.de

EANET Sprint

08:00 UTC-12:00 UTC 3 November

Geographic Focus: Worldwide

Participation: Worldwide

Mode: Any

Bands: Any

Classes: Individual - Spain or non-Spain; Club -
Spain or non-Spain - member or friend

Exchange: RS(T)

Work stations: Once
 QSO Points: 1 point per QSO with an individual; 3 points per QSO with a friend radio club; 5 points per QSO with a member radio club
 Multipliers: Each ISO 3166-1 country once; Each continent once
 Score Calculation: Total score = total QSO points x total countries x total continents
 Submit logs by: 13 November 2019
 E-mail logs to: eanet-sprint@fediea.org
 Mail logs to: (none)
 Find rules at: <https://fediea.org/news/?news=20191103>

High Speed Club CW Contest
 09:00 UTC-11:00 UTC and 15:00 UTC-17:00 UTC 3 November
 Geographic Focus: Worldwide
 Participation: Worldwide
 Awards: Worldwide
 Mode: CW
 Bands: 80, 40, 20, 15, 10 m
 Classes: HSC Members; Non-Members; QRP; SWL
 Max power: 150 watts; QRP: 5 watts
 Exchange: Members: RST and HSC no; non-Members: RST and "NM"
 Work stations: Once per band per period
 QSO Points: 5 points per QSO with a HSC member; 1 points per QSO with a non-member

Multipliers: Each DXCC country once per band per contest period (only QSOs with members)
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 24 November 2019
 E-mail logs to: (none)
 Upload log at: <https://sites.google.com/view/hsc-contest>
 Mail logs to: (none)
 Find rules at: www.highspeedclub.org/

RSGB FT4 Contest Series
 20:00 – 20:59 UTC 4 November
 Geographic Focus: United Kingdom
 Participation: Worldwide
 Mode: FT4
 Bands: 80 m Only
 Classes: 100 W; 10 W
 Exchange: Signal Report and 4-character grid square
 QSO Points: 1 point per QSO; 5 points per QSO with G#6XX and G#3DR plus one locator mult
 Multipliers: Each large locator square
 Score Calculation: Total score = total QSO points x total mults
 Submit logs by: 20:59 UTC 5 November 2019
 Upload log at: www.rsgbcc.org/cgi-bin/hfenter.pl
 Mail logs to: (none)
 Find rules at: www.rsgbcc.org/hf/rules/2019/r80m_ft4.shtml

Next Week's Contests

ARS Spartan Sprint, 02:00 - 04:00 UTC 5 November
 Phone Fray, 02:30 - 03:00 UTC 6 November
 CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 6 November and 03:00 - 04:00 UTC 7 November
 UKEICC 80 m Contest, 20:00 - 21:00 UTC 6 November
 NRAU 10 m Activity Contest, 18:00 - 19:00 UTC (CW) and 19:00 - 20:00 UTC (SSB) and 20:00 - 21:00 UTC (FM) and 21:00 - 22:00 UTC 7 November (Dig)
 SKCC Sprint Europe, 20:00 - 22:00 UTC 7 November
 NCCC RTTY Sprint, 01:45 - 02:15 UTC 8 November
 NCCC Sprint, 02:30 - 03:00 UTC 8 November
 WAE DX RTTY Contest, 00:00 UTC 9 November to 23:59 UTC 10 November
 PODXS 070 Club Triple Play Low Band Sprint, 00:00 UTC 9 November to 23:59 UTC 11 November
 10-10 Int. Autumn Digital Contest, 00:01 UTC 9 November to 23:59 UTC 10 November
 JIDX Phone Contest, 07:00 UTC 9 November to 13:00 UTC 10 November
 SARL VHF/UHF Analogue Contest, 10:00 UTC 9 November to 10:00 UTC 10 November
 SKCC Weekend Sprintathon, 12:00 UTC 9 November to 24:00 UTC 10 November

OK/OM DX CW Contest, 12:00 UTC 9 November to 12:00 UTC 10 November
 CQ-WE Contest, 19:00 - 23:00 UTC 9 November (CW/Digital) and 01:00 - 05:00 UTC 10 November (Phone) and 19:00 - 23:00 UTC 10 November (Phone) and 01:00 - 05:00 UTC 11 November (CW/Digital)
 AWA Bruce Kelley, 1929 QSO Party 23:00 UTC 9 November to 23:00 UTC 10 November and 23:00 UTC 16 November to 23:00 UTC 17 November
 North American SSB Sprint Contest, 00:00 - 04:00 UTC 10 November
 4 States QRP Group Second Sunday Sprint, 01:00 - 03:00 UTC 11 November
 RSGB 80 m Autumn Series, Data 20:00 – 21:30 UTC 11 November

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter

It's Cherry Festival time! Visit us near Ficksburg to see

VINTAGE STEAM TRAINS



Enjoy an unforgettable day with us in the Eastern Free State, see vintage cars & trucks and ride on the Sandstone Heritage Trust's world famous private 2ft Narrow Gauge Vintage Steam Railway.

This wide variety of working South African Heritage lies in the foothills of the Maluti Mountains ... visit us to experience the unique Free State Cherry Festival hospitality.

STEAM TRAIN RIDES
 10h00, 12h00, 14h00 & 16h00
 & SO MUCH TO SEE!

Picnic Area and Refreshments available

NARROW GAUGE RAILWAY WILL BE IN OPERATION

MORE TO SEE: Walking Tours of the farm complex, see the vast collections of old engines and farm equipment — or even take a slow Ox Wagon ride — so much on offer!

22 & 23 November 2019

Entrance Fee: R200 pp, R100 per child under age 12
 * train rides included at 10h00, 12h00, 14h00 & 16h00 *

On the R26 between Fouriesburg & Ficksburg — Read more: www.sandstone-estates.com

ENQUIRIES: Leigh on 051 933 2235 or 079 327 7649